Face to Face

Studio & Outdoor

Elinchrom Flash System

Power by Elinca

elinchrom

elinca sa switzerland www.elinchrom.com

Autonomous Flash

Ranger RX System

The upgraded Ranger RX unit, plus the new Speed and Speed AS units are designated RX because they may be operated by remote control – by computer or by a handset – enormously increasing the ease of use on location.

The basic unit has an improved “fast” recycling sequence and the Speed unit will recycle to full power in 2.9 seconds plus up to 250 flashes.

The Speed unit is available with either 2:1 asymmetrical or symmetrical output.

It incorporates the most advanced miniaturised components weighing in at only 8 Kg – much lighter and smaller than any comparable unit.

The same modified circuitry has permitted an extension of its power range to 7 f-stop, with enhanced stability. We believe these will be the units to which others will be compared.

Ranger RX computer remote option, see page 12

Why Ranger RX Speed AS & Ranger RX ?

- Consistent flash power at any battery level.
- Guide number all units max. power f-64.1 @ 2 m distance 100 ISO
- Charger, Multi-voltage with European, USA and UK adapters.
- Battery re-charging - to full power- 3 hours.
- The charger can charge the battery in the unit or externally.
- Power saving, auto cut off of modelling lamp and charging
- Modelling Lamp modes, 15 s, 30 s & off
- Photocell, adapted to release in bright ambient light.
- Charge Ready Beep, on/off, with green LED indicator.
- Charge Ready Light / Open Flash, indicated with bright LED!
- Auto Dump Function, adjust power levels after setting automatically
- Battery Charge Indicator, two green LED 100%, one green LED 50%, one red LED approx. 10%. The Ranger electronic protects the battery from over and complete discharging. The battery can be recharged at any level. There is no “Memory-Effect”!
- Battery-Box Quick Release, to release, press the two push buttons at the left and right side of the housing, lift up the unit releasing the existing battery - then place the pack over the replacement battery, pressing firmly down for automatic locking.
- Moisture resistant rubber protectors.
- Raised sockets complete with covers; electronics only in the upper part of the unit.

Ranger RX
10263
incl. Shoulder Strap, Battery Box, Sync cord, Charger

Ranger RX Speed
10265
incl. Shoulder Strap, Battery Box, Sync cord, Charger

Ranger RX Speed AS
10267
incl. Shoulder Strap, Battery Box, Sync cord, Charger

What is new ?

	Ranger RX	Ranger RX Speed	Ranger RX Speed AS
Quick re-charging to full power	5.5 s	2.9 s	2.9 s
Power range 7 f-stop	1100 Ws – 8.5 Ws		1100 Ws – 5.5 Ws
Remote connection	For optional RX Hand Remote Control / all models		
PC interface	To connect to computers with MAC/Windows operating systems / all models		
Asymmetrical power	Symmetrical	Symmetrical	66% - 33%, two heads connected
Autonomy	140 flashes @ full power	250 flashes @ full power	250 flashes @ full power
Weight	6 kg	8 kg only, smallest unit in this class	

Ranger RX Accessories

Accessories

Ranger RX, RX Speed & RX Speed AS

Free Lite S 20100
Free Lite A Speed 20101

Ranger RX Ringflash 1500 Speed 20499

Ranger RX with Hand Remote, additional accessories, see page 12

Ranger RX with Varistar, umbrella, spread light in wide areas, see page 21

Remote Adapter 11110
for optional Hand Remote and ERS accessories. See page 12

Shoulder Strap 19289

FreeLite Extension Cable 11096
4 m only for FreeLite S and A flashheads.

Ranger Adaptor Cable 11095
adapts EL standard flashheads to the Ranger RX power packs. (Mains modelling lamp and fan are deactivated.)

Ranger RX Speed & Speed AS

Battery Box 19280
complete with battery for approx. 250 flashes @ full power.

Quickcharger only 230 V 19283

Car Battery Supply 11097
for use with any 12 V car battery.

Ranger RX

Battery Box 19290
complete with battery for approx. 140 flashes @ full power.

Multivoltage Quickcharger 19293
with multi-socket adapters.

Car Battery Supply 11094
for use with any 12 V car battery. Integrated protection circuit against reversed polarity.

Charge Adaptor CarCigar 11093
to charge the battery box the 12 V car cigarette lighter.

Ranger Case 33186
only for Ranger RX 10263, 47 x 33 x 22 cm

Ringflash 1500 Speed 20499

The ultimate combination for "In" and "Out" door photography!

RF 1500 Speed, complete with 4-pole flash-tube, freezes movement with a 1/2600 s (t0.5) @ full power. Two metre flash cable enables photographers to use it freehand (with the battery pack shouldered or in a back-pack). Two camera adapters (1/4", 3/8") and the vertical height adjustment fit most camera systems and the internal Ringflash diameter of 120 mm accepts a wide range of camera lenses!

Elinchrom Remote Studio

Mac OSX & Windows

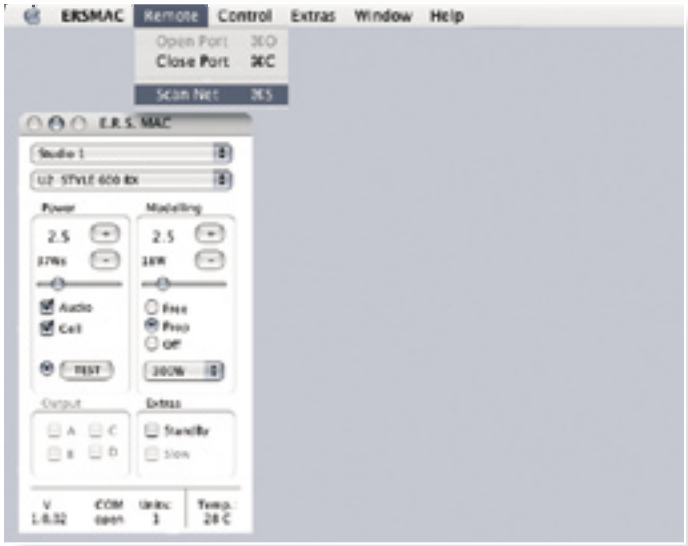
Need to control your Elinchrom studio flash system together with your digital camera controls on the same computer?

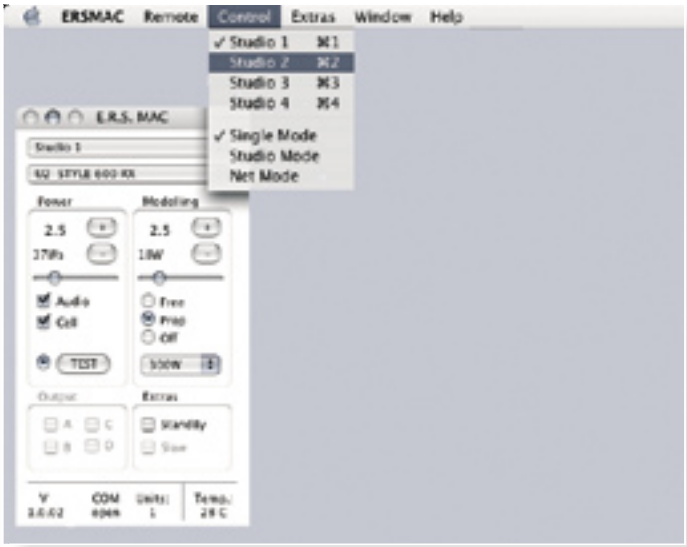
You want it? We made it...

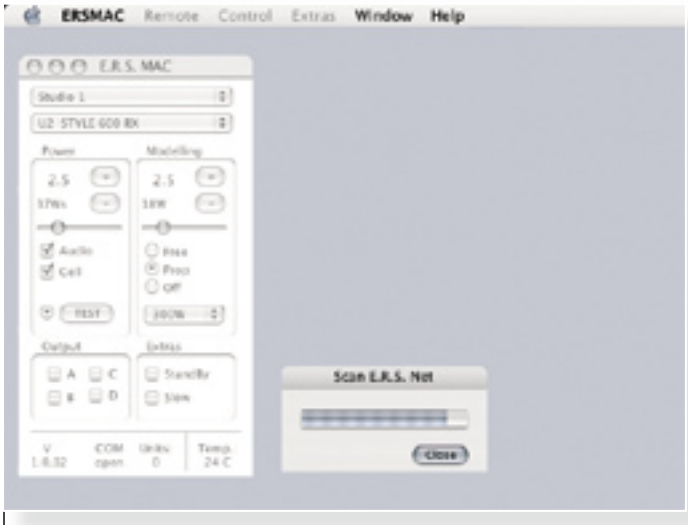
Take a look @ ERS and let it roll! Scan the Flash-Net... After installing ERSMAC Software, connect your Style RX compacts or Digital RX power packs to your computer. Open ERSMAC, the Elinchrom Software starts automatically to search for connected RX units.

Additional features such as Flash and Power On Counters are useful for Rental and Service.

In “Single Mode” each RX unit can be operated separately in all functions. The Studio Mode and Net Mode enables global changes such as “stand by” to be made by studio or to the complete network of studios.







ERS-Mac supports Apple Macintosh operating systems OSX 10.2.8 and higher

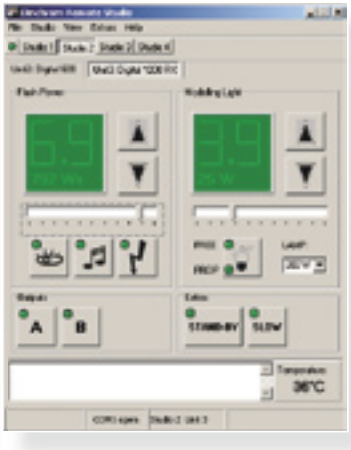
Set Studio and Unit address; Flash power settings in 1/10 f-stop with accurate +/- buttons or traditional Elinchrom digital-slider; Modelling lamp modes: Free / Proportional / Off; Audio Ready Beep, on/off; Photo Cell, on/off; Power Pack flashhead sockets, on/off; Stand By, on/off; Slow Charge, on/off.

Easier control of all functions.

Last But Not Least The ERS Setup facilitates customised settings.

Place RX flash units in four different Studios or working areas and address the RX flash units from Unit 1 to Unit 16.

ERS-Windows offers the same controls and settings as ERS Mac and supports Win 98 SE, 2000 and XP.



The Elinchrom Remote Studio we made it for you!

Hand Remote & ERS

Hand Remote Control

The Hand Remote Control enormously increases the flexibility of all “RX” flash units. Optional remote cables in 1.2 to 19.2 m, the integrated highly sensitive photocell and the 3.5 mm sync socket helps to control and trigger any RX flash unit at long distances. This item operates all functions of Style 300 RX, 600 RX and 1200 RX.

The RX power pack range Digital RX 1200/2400 and the new Ranger RX battery powered system accepts the same Hand Remote and operates almost all functions.

(Slow charge and the head A or B selection for power packs is not available. Only the PC / Mac Software can operate all power pack functions).

RX Hand Remote Control Set 19342

Hand Remote 19340
Remote Cable 1.2 m 11100
For Style RX, Digital RX, for Ranger RX adapter cable 11110 is required.

Sync Cables

Sync Cord 3.5 jack, 2 m 11084
Sync Cord 3.5 jack, 5 m 11088

Note: *The socket requires the 3.5 mm jack synch cord, available in 2 and 5 metres*

Elinchrom Remote System for Style RX, Ranger RX & Digital RX for Mac & Windows

ERS System 19339

Mac / Windows
The complete starter set includes the PC-Mac software and four Remote cables for RX units.

Note: To connect six RX units, two Remote cables must be ordered separately.

USB Cable 3 m
Remote cable 2.4 m / 2x
Remote cable 4.8 m / 2x
USB Multilink converter
for maximum six RX unit.
CD-R including Mac/Windows Software and USB Driver

Set USB Multilink 19345

(to connect 4 RX units)

Sample: to operate ten RX units, two Multilink boxes and eleven Remote cables are required. (One cable to connect the Multilink boxes and ten for the RX units.) Alternatively the included USB cable can be used to set up a second remote network with another computer.

Note: *Each linked RX unit and Multilink box will require one remote cable! Remote cables can be ordered separately.*

USB Cable 3 m
Remote Cable 2.4 m / 2x
Remote Cable 4.8 m / 2x
USB Multilink Converter
for 6 RX units

USB-Multilink converter 19344

USB Multilink Converter
for 6 RX units
USB cable 3 m
Note: Remote cables must be ordered separately.

Software ERS 19341

Elinchrom Remote System
The CD-R includes ERS software for Mac OSX 10.2.6 or higher and for Windows, USB Multilink Drivers for Mac and Windows. Help files to set up the ERS-Network and other useful information.

USB Cable 3 m 11098

to connect the Multilink converter to a Macintosh or Windows computer.

ERS-Network and Hand Remote Cables

Only RX Series

The Remote cables are required to connect USB Multilink converter with RX units & RX Hand Remote.

Remote cable 1.2 m 11100
Remote cable 2.4 m 11101
Remote cable 4.8 m 11102
Remote cable 9.6 m 11103
Remote cable 19.2 m 11104

Ranger Remote Cable

for ERS Network & Hand Remote

Remote cable 1.6 m 11106
Remote cable 3.2 m 11107
Remote cable 6.4 m 11108
Ranger RX Adapter cable 20 cm 11110

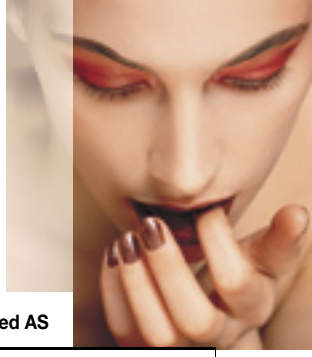
ERS Network

The image shows the USB Multilink converter connected to a Mac computer via USB cable. The four Remote cables can be linked to Style RX 300, RX 600, RX 1200 compacts, Ranger RX or to the Digital RX 1200 and 2400 power packs. One Multilink box operates six RX units. The other option is to link five RX units and an additional Multilink box for five more RX units.

Coming soon… Wireless

Upgrade to EL Radio System to operate RX flash units wireless with Mac or Windows operating systems in all functions, including triggering.

Power Specs



Autonomous Flash

	Ranger RX	Ranger RX Speed	Ranger RX Speed AS
Joule / WS; max.	1100		
Power distribution	Symmetrical		Asymmetrical
Interface for Computer and Hand Remote	All RX models; requires optional accessories + ERS software		
F-stop, 2 m, 100 ISO, 1/250 s; Reflector 48°	64		64 @ 100% ; 45 @ 66% 32 @ 33%
Power range; Ws	17 – 1100		100%: 17 – 1100 66%: A output: 11.5 – 733 33%: B output: 5.7- 366
Power range in f-stop	7 / 1.5 – 7.5		8.5
Recycling, fast @ min. / max. power	0.5 s / 5.5 s	0.3 s / 3 s	A output: fast 0.3 s / 3 s B output: fast 0.19 s / 1.2 s
Recycling slow @ min. / max. power	0.9 s / 14 s	0.45 s / 5.5 s	A output: slow 0.45 s / 5.5 s B output: slow 0.22 s / 1.9 s
Flash duration @ t 0,5; 1 / 2 A heads	1/2300 s / 1/4310 s		A output: 1/2300 s / 1/4310 s B output: 1/5120 s
Flash duration @ t 0,5; 1 / 2 S heads	1/1160 s / 1/2250 s		A output: 1/1250 s / 1/2250 s B output only: 1/2310 s
***Flashes out of one charged Battery @ min. power, slow/fast recycle**	3800 / 2600	5100 / 3700	
***Flashes, out of one charged Battery @ max. power, slow/fast recycle**	140 / 110	250 / 195	
Sync voltage	5 VDC		
Stabilisation	+/- 1 V		
****Battery lead acid (gel-electrolyte)**	12 V / 7 Ah lead acid	12 V / 12 Ah lead acid	
Modelling lamp: *****1 head connected	2 x 50 W / 12 V or *****1 x 100 W / 12 V		
Standard charger: recharge time, approx.	3 h	5 h	
Quick charger: recharge time, approx.	Do not use	3 h	
Dimensions in cm	19 x 14 x 24	19 x 14 x 28	
Weight in kg, incl. Battery	6.5	8	
Ranger pack, included parts	10262 incl.: 19290 + 11075 + 19289 + 19293	10264 incl.: 19280 + 11075 + 19289 + 19283	10266 incl.: 19280 + 11075 + 19289 + 19283

* Note: The number of flashes, recharging time and battery life, may vary from battery to battery!!
**Note: Used batteries may need to be recycled! Check your local regulations!
*** Note: Deliveries for 110 V countries includes Charger 19293

Ranger Heads

	Free Lite S	Free Lite A Speed	Ringflash 1500
Output in Joule / Ws	2400	2400	1500
Modelling lamp	50 W 12 V	50 W 12 V	-
Modelling lamp timer on / off	15 & 30 seconds		-
Safety Fuse	5AF		-
Flashtube	Omega	Speed	4 pole - Speed
Centred umbrella holder	All models		-
Stand adapter	All models		3/8 – 1/4
Bayonet, breech-lock-ring	All models since 1974		-
Weight incl. 5 m flash cable	2.4 kg	2.4 kg	2 kg / *2m cable
Dimensions in cm	22 x 13.5	22 x 13.5	25 x 18 x 28
Code	20100	20101	20499
Code Flashtube	24034 s	24053	

Note: Tolerances of specifications and components conform to IEC and CE standards. Technical data subject to change. No guarantee for misprints. The listed values can differ due to tolerances in components, or measuring instruments.

Ranger RX / F- Stop Power Table

F-Stop @ 2m, 100 ISO, Free Lite S Head + Free Style Pack

26149	Maxi Spot Reflector 29°	90.1
26147	Maxi Lite Reflector 43°	64.6
26137	High Performance Reflector 48°	64.1
26141	Standard Reflector 50°	45.8
26140	Compact Reflector 65°	45.2
26144	Grid Reflector 60°	45.0
26164	Varistar Reflector 90°	32.6
26143	Wide Reflector 90°	32.0

Display Power Equivalents

7.5	1100 Ws
7.0	780 Ws
6.5	550 Ws
6.0	390 Ws
5.5	275 Ws
5.0	195 Ws
4.5	137 Ws
4.0	98 Ws
3.5	68 Ws
2.5	34 Ws
1.5	17 Ws

Continuous Light

	Scanlite (1000 W)	Minilite (250 W)
Aperture: 2m / 100 ISO 1/30 s, Ref. 48°	8.6	5.6
Aperture with Pyrex dome mat	8.0	-
Lux @ 1000 W	6500	-
Lux @ 250 W	-	1050
Colour Temperature °K	3200°K	3200°K
Bayonet, breech-lock-ring	All models since 1974	
Modelling lamps, configurations	300, 650, 1000 / GX 6.35	100, 250 W / E27
Cooling fan	All models	
Weight in kg	1.2 / incl. cable 1.7	1.1
Dimensions in cm	14x18 / incl. glass dome 22	22 x 13
Code 230 V 50 - 60 Hz incl. lamp	20996-300 W / 20997-650 W / 20994-1000 W	20651
Code 115 V 50 - 60 Hz exclude- / inc.l lamp	20993-1000 W	-

Rotalux

The table shows: coverage represents 1 f-stop difference centre to edge in degrees and f-stop at 2 m distance and code numbers for spare diffusers.

Rotalux: Quadra, Octa, Recta, Strip	Angle in degrees	Coverage minus 1f-stop from centre in meters	Brightness 2 m distance Style 600 @ 1 / 250 s
26178 Rotalux 70 x 70cm	69°	2.8	16.6
26288 Front Diff. (without outer diffuser)	68°	2.7	22.1
26295 Inner Diff. (without inner diffuser)	83°	3.6	22.2
26179 Rotalux 100 x 100cm	69°	2.8	16.7
26289 Front Diff. (without outer diffuser)	69°	2.8	22.1
26296 Inner Diff. (without inner diffuser)	81°	3.4	22.2
26180 Rotalux 35 x 90 cm vert. / horizontal	66° / 69°	2.6 / 2.8	16.5
26290 Front Diff. (without outer diffuser)	59° / 73°	2.3 / 3	22.1
26297 Inner Diff. (without inner diffuser)	66° / 82°	2.6 / 3.5	22.6
26268 Diff. (for 26180) 15 x 90 cm vert. / horizontal	55° / 63	2 / 2.3	11.5
26181 Rotalux 50 x 130cm vert. / horizontal	59° / 69°	2.3 / 2.8	16.6 / 16.5
26291 Front Diff. (without outer diffuser)	61° / 75°	2.4 / 3.1	22.2
26298 Inner Diff. (without inner diffuser)	64° / 87°	2.5 / 3.8	22.8
26270 Diff. (for 26181) 25 x 130 cm vert. / horizontal	59° / 66°	2.3 / 2.6	11.5
26269 Diff. (for 26181) 15 x 130 cm vert. / horizontal	58° / 55°	1.9 / 2.1	11
26183 Rotalux 100 cm octagonal	68°	2.7	16.6
26293 Front Diff. (without outer diffuser)	66°	2.6	22.1
26300 Inner Diff. (without inner diffuser)	82°	3.5	22.2
26184 Rotalux 135 cm octagonal	81°	3.4	22.2
26294 Front Diff. (without outer diffuser)	61°	2.6	22.2
26301 Inner Diff. (without inner diffuser)	75°	3.1	22.3

NB. Without diffusers the effect is of a huge normal reflector